

DOI Work Activity L2: Inventory/Assess/Monitor Landscapes and Watersheds

Program Area:	Landscapes/Watersheds
End Outcome Goal:	PEO 1 - Improve Health of Watersheds, Landscapes, and Marine Resources that are DOI Managed or Influenced in a Manner Consistent with Obligations Regarding the Allocation and Use of Water
Intermediate Outcome:	PIO 1.2 – Manage and Protect Watersheds and Landscapes
DOI Sub process:	1b - Create information from data (perform analysis)

Examples/Notes: An assessment is an analysis and interpretation of the physical, ecological, and landscape characteristics of a watershed using scientific principles to describe conditions as they affect various resources of concern. It addresses a broader suite of issues and resources than a watershed or land health evaluation.

Work Activity Description: Includes all labor and operational costs associated with conducting soil/vegetation inventories, evaluations, assessments, and monitoring efforts at the watershed/landscape level, such as planning and scheduling work, field/office labor, GIS support, data management support, contracts/interagency agreements, and equipment purchase/lease/rental. Watershed or landscape health evaluation addresses, at a minimum, achievement of watershed or land health standards, conformance of land use activities with guidelines, and whether an existing management practice is a significant factor for not achieving standards.

Includes the following:

- Soil inventory: Orders I, II, III, or IV. Order I is the most intensive level of detail and is generally charged to the project requiring the work. All levels are defined in the National Soils Survey Handbook.
- Inventory of shrublands, grasslands, and pinon-juniper woodlands. The collection of general or specific vegetation baseline data including cover type inventories and remote sensing. Includes shrub and grasslands having 10% or less tree canopy cover with the intent to manage as shrub and grasslands in the future. Forested areas to be converted to rangelands are to be considered shrub and grasslands, not forestlands, regardless of the amount of existing canopy cover. Acres inventoried are those for which information has been physically collected either through direct field measurement or remote sensing/photo interpretation and has resulted in the synthesis, analysis, interpretation and reporting of the collected information for baseline data.
- Ecological Site Inventory involves mapping ecological sites, vegetation communities, and the systematic sampling of these sites to determine, at a minimum, above ground annual production on all vegetation species.
- Inventory lakes or wetlands that focus on understanding the condition and/or functionality of both fisheries habitat and wetland/shoreline vegetation resources and presence/absence, abundance, range and/or distribution of lake/reservoir/wetland species (including Special Status Species) to describe existing baseline conditions. The scale of mapping for wetlands is generally smaller, and more discrete, than other vegetation inventories, and can supplement those efforts. Aquatic habitat inventories are generally geared toward species of specific interest, while wetland inventories tend to focus more on lakeside vegetation. Assessment of condition can be performed using proper functioning condition or other methodologies.

Output: Acres inventoried/assessed/monitored	Unit of Measure: Number of acres inventoried/assessed/monitored
Inputs:	Cost Drivers:

System Interfaces:

DOI Program Area Contact: